

# XUEYING WANG

Glasgow, UK ♦ +44 7421049369 ♦ xueyingwang1702@outlook.com

LinkedIn: [www.linkedin.com/in/xueyingwang01](https://www.linkedin.com/in/xueyingwang01)

---

## SUMMARY

Graduate software developer with strong Java backend expertise and practical experience across the full software development lifecycle. Skilled in building secure RESTful APIs with Spring Boot, integrating MySQL and Redis, and improving reliability through testing, basic observability, and Agile collaboration. I learn new stacks quickly and communicate clearly to turn ambiguity into delivered outcomes.

I am seeking graduate software engineering roles where I can grow as a backend-focused engineer and contribute to building reliable, well-tested services. During my internship and academic projects, I have focused on backend features, including enterprise-scale backend and API integration in my internship and a Java static analysis tool for my master's dissertation. I am especially interested in scalable backend, cloud and secure software practices, and I am keen to learn from experienced engineers while delivering useful features for the team.

---

## WORK EXPERIENCE

### Assistant Software Engineer (Intern)

July 2023 - August 2024

China Telecom Corporation Limited - Chengdu, China

#### • Client Service Platform (Backend)

- Delivered over 8 reusable backend API endpoints with Java and Spring Boot (MVC), enabled earlier integration with frontend team and reduced rework across sprints to support faster, more reliable delivery.
- Strengthened authentication by introducing Redis backed session management and hashed credential handling, and supported MySQL backup, recovery and performance tuning to improve stability and resilience of live services.
- Conducted Postman testing to identify and resolve parameter mismatches across multiple services, helping to reduce integration risk and improve platform consistency.

#### • AI Model Marketplace – Add to Cart Module (Backend)

- Designed and normalized the relational schema for “Add to Cart” functionality, with focus on extensibility and relational integrity across product variants and user data.
- Implemented backend logic for cart insertion across 3 different product types, verified behaviour with simulated requests and integration checks to ensure correct, predictable system behaviour.
- Collaborated with frontend engineers to test and validate real time UI updates through API response feedback, reducing interface failure rate during test runs.

#### • Blockchain-based Agricultural Traceability Platform (Frontend)

- Performed UI testing to identify usability and reliability issues, helping prevent user-facing defects.
- Resolved 30+ frontend errors caused by backend API changes, ensuring stable page functionality.
- Built 2 user-facing login forms with integrated validation logic, improved overall UI responsiveness.

---

## SKILLS

**Software & APIs:** Java, Spring Boot, REST APIs, Postman, JUnit, Git

**Data & Platform:** MySQL, PostgreSQL, Redis, Docker

**Reliability and Security:** Observability basics, Authentication and session management, Secure coding

**Cloud & Collaboration:** Cloud fundamentals, Linux basics, Agile collaboration

---

## EDUCATION

MSc: Software Development (With Merit)

September 2024 - December 2025

University of Glasgow - Glasgow, UK

**Focus:** Secure Software Engineering, Backend Development, Agile Team Collaboration

- Led multiple teams defining scope and sprint targets, aligning API contracts, running code reviews, and practising secure coding with clear technical communication.
- Built “JavaInsight” to improve code quality and maintainability via standards and evidence-based refactoring.